

Alaska

Standards Based Assessments

Spring 2012



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SERIAL#

WRITING—SAMPLE QUESTIONS

Directions

Read Sample Question A and fill in the circle that goes with the answer you choose. Be sure to fill in the circle completely and make your mark heavy and dark. If you want to change your answer, completely erase the mark you made before making a new mark. For Sample B, write your answer on the lines provided.

Sample A

Read the sentence.

i like to watch the cardinals fly back and forth

Choose the correct way to write the sentence.

- (A) I like to watch the cardinals fly back and forth.
- (B) i like to watch the cardinals fly back and forth.
- (C) I like to watch the cardinals fly back and forth
- (D) i like to watch the Cardinals fly back and forth

Sample B

Read the group of words.

provide shade

tall tree

green leaves

On the lines below, rearrange the information into **one** complete sentence.
Add words as needed.



For questions 1 through 5, fill in the circle for the answer you choose.

1. Read the sentences.

Kyle went to Seattle. He visited the famous Space Needle.

Choose the **best** way to write the sentences as one sentence.

- (A) Kyle went to Seattle, but he visited the famous Space Needle.
- (B) Kyle went to Seattle, or he visited the famous Space Needle.
- (C) Kyle went to Seattle, and he visited the famous Space Needle.
- (D) Kyle went to Seattle because he visited the famous Space Needle.

2. Read the paragraph.

We stayed up late watching movies and eating pretzels. While watching the first movie, I threw pretzels in the air and tried to catch them in my mouth, but they landed on Sophie's head. The next thing you know, pretzels were flying everywhere.

Choose the **best** sentence to begin this paragraph.

- (A) I slept at Sophie's house last night.
- (B) Sophie has a brother and two sisters.
- (C) Sophie has been my best friend since first grade.
- (D) Her dad told us to clean up all the pretzels.

3. Read the beginning sentence of a story.

Alicia smiles and places the napkin on her lap as she reads the menu.

Which is **most likely** the setting of the story?

- (A) someone's home
- (B) the school cafeteria
- (C) a restaurant
- (D) a classroom

4. Read the sentences.

Evan really enjoyed the game. I thought it was too slow.

Choose the **best** way to write the sentences as one sentence.

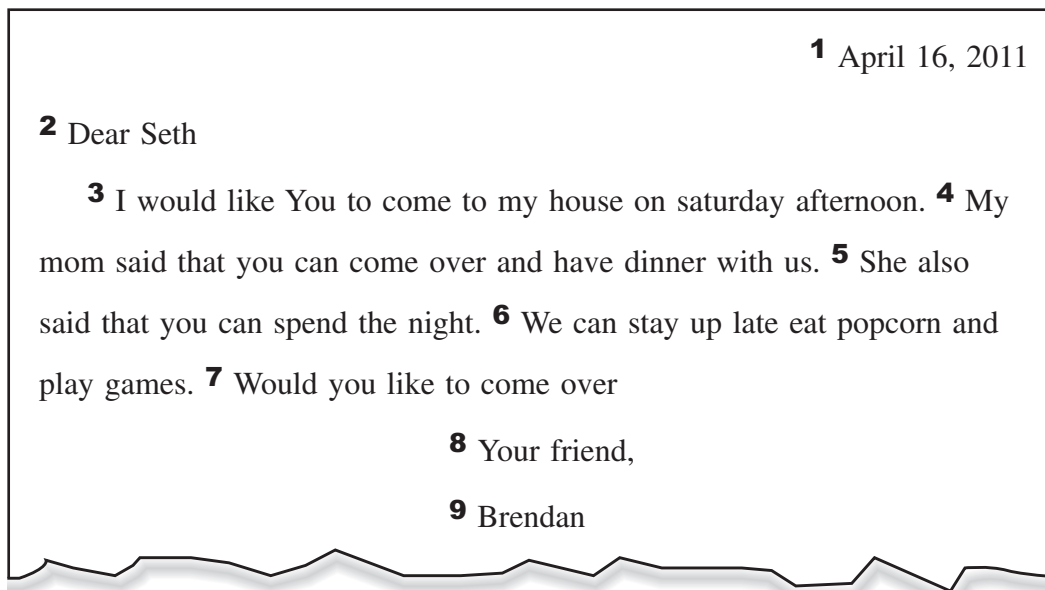
- Ⓐ Evan really enjoyed the game I thought it was too slow.
- Ⓑ Evan really enjoyed the game, but I thought it was too slow.
- Ⓒ Evan really enjoyed the game because I thought it was too slow.
- Ⓓ Evan really enjoyed the game, or I thought it was too slow.

-
5. Which is the **most** descriptive sentence?

- Ⓐ Jenna wanted to bake her favorite thing in the whole world.
- Ⓑ In one hour, Jenna baked three dozen of her favorite cookies.
- Ⓒ It took a long time for Jenna to make a big bunch of cookies.
- Ⓓ When she was completely done, Jenna looked at all the cookies.

WRITING

Read the letter. It has mistakes that need to be corrected. Use the letter to answer questions 6 through 10.



6. Which is the correct way to write Line 2?

- (A) dear seth
- (B) Dear seth,
- (C) Dear Seth,
- (D) It is correct as is.

7. Which is the correct way to write Sentence 3?

- (A) I would like you to come to my house on Saturday Afternoon.
- (B) I would like you to come to my house on Saturday afternoon.
- (C) I would like you to come to my House on saturday afternoon.
- (D) It is correct as is.

WRITING

8. Choose the correct way to write Sentence 6.
- Ⓐ We can stay up late, eat popcorn, and play games.
 - Ⓑ We can stay up late eat popcorn, and play games.
 - Ⓒ We can stay up late eat, popcorn, and play games.
 - Ⓓ We can stay up late, eat, popcorn, and play games.
9. Choose the correct way to write Sentence 7.
- Ⓐ Would you like to come over.
 - Ⓑ Would you like to come over!
 - Ⓒ Would you like to come over?
 - Ⓓ Would you like to come over,
10. What is the correct way to write Line 8?
- Ⓐ Your Friend,
 - Ⓑ Your Friend
 - Ⓒ Your friend
 - Ⓓ It is correct as is.

WRITING

11. Read the first sentence from a paragraph.

Last night we had my favorite food for dinner.

On the lines below, write **two** more sentences to support the sentence. Be sure to check your work for mistakes in capitalization and punctuation.

1. _____

2. _____



T

12. Choose something you would like to learn how to do.

Write one paragraph about what you want to learn and why you want to learn it.

12. Choose something you would like to learn how to do.

Write one paragraph about what you want to learn and why you want to learn it.

Use this checklist as you write your paragraph:

- ☐ Have you written a well-developed paragraph with a topic sentence, supporting details, and a conclusion?
- ☐ Have you written complete sentences?
- ☐ Have you checked for correct capitalization, punctuation, and grammar?

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Read the passage. It has mistakes that need to be corrected. Use the passage to answer questions 13 through 17.

¹ Ben Franklin was a man full of ideas. ² He made the first lightning rod and the first set of swim fins. ³ He even created special glasses. ⁴ They helped people read write and see objects that were far away. ⁵ They are still used today!

⁶ Franklin sometimes went to france for his job. ⁷ When he was there, he got an idea for a musical instrument. ⁸ He called it the Armonica. ⁹ It made music with glass and water! ¹⁰ A friend in London made thirty-seven glass bowls for him in different sizes. ¹¹ Thicker than others. ¹² They had holes in the top and were arranged on a pole. ¹³ The pole was then placed in a wooden case. ¹⁴ A floor pedal was used to move the bowls around the pole. ¹⁵ Players dipped their fingers in water and ran them around the rims to play a song. ¹⁶ Many people came to hear Franklin's special glass music.

13. The passage would **most likely** be found in a

- (A) friendly letter.
- (B) personal journal.
- (C) book of tall tales.
- (D) social studies textbook.

14. Choose the correct way to write Sentence 4.

- (A) They helped people read, write, and see objects that were far away.
- (B) They helped people read, write, and, see, objects that were far away.
- (C) They helped people read, write, and see objects, that were far away.
- (D) It is correct as is.

15. Which word in the passage has a mistake in capitalization?

- (A) glasses in Sentence 3
- (B) france in Sentence 6
- (C) case in Sentence 13
- (D) fingers in Sentence 15

16. Which change would make Sentence 11 a complete sentence?

- (A) Some bowls were thicker than others.
- (B) Many of the bowls thicker than others.
- (C) With a few bowls thicker than others.
- (D) The size of the bowls thicker than others.

17. Read the sentence.

The biggest bowls were placed at the bottom of the pole, and the smallest were placed at the top.

Choose the **best** place to add the sentence to the passage.

- (A) after Sentence 12
- (B) after Sentence 13
- (C) after Sentence 14
- (D) after Sentence 15

For questions 18 through 23, fill in the circle for the answer you choose.

18. Ron is writing a paper about when he went to a play with his family. Which detail should **not** be included in his paper?

- (A) I had never seen a live performance of a play before.
- (B) The drive to the city took over two hours.
- (C) We met the actors after the play and got their autographs.
- (D) When it was over, I stood up and clapped as loudly as I could!

19. Read the paragraph.

Just as class began, the lights flickered. A minute later, they all went out. Mr. Barrows stopped talking about spelling. He smiled at us and sat down on the side of his desk.

Choose the **best** detail to add to the end of the paragraph.

- (A) It was 1:00 PM on a Monday afternoon.
- (B) When entire cities lose their lights, it is called a blackout.
- (C) He began explaining what probably caused the problem.
- (D) Mr. Barrows is my favorite teacher.

20. Read the sentence.

Preheat the oven to 350 degrees for 15 minutes.

This sentence would **most likely** be found in a

- (A) textbook.
- (B) letter.
- (C) report.
- (D) cookbook.

21. Read the sentences.

My friends wanted to go hiking. My friends still needed a map and water.

Choose the correct way to write the sentences as one sentence.

- Ⓐ My friends wanted to go hiking they still needed a map and water.
- Ⓑ My friends wanted to go hiking, but they still needed a map and water.
- Ⓒ My friends wanted to go hiking, or they still needed a map and water.
- Ⓓ My friends wanted to go hiking because they still needed a map and water.

22. Read the paragraph.

1 The Arctic fox is found in northern and western Alaska. **2** It has a long, bushy tail called a “sweep.” **3** An Arctic fox sheds its coat twice a year. **4** Its coat is white in winter and brown in summer.

Which sentence would **best** fit after Sentence 2?

- Ⓐ Arctic foxes are small mammals that weigh from six to ten pounds.
- Ⓑ Arctic foxes do not hibernate but may tunnel under the snow during a blizzard.
- Ⓒ The Arctic fox uses its tail to keep its feet and nose warm when it sleeps.
- Ⓓ The Arctic fox can also be found in the Arctic areas of Europe and Asia.

23. Read the sentences.

Jason practiced for many hours. He wanted to win first prize.

Choose the correct way to write the two sentences as one sentence.

- Ⓐ Jason practiced for many hours he wanted to win first prize.
- Ⓑ Jason practiced for many hours, but he wanted to win first prize.
- Ⓒ Jason practiced for many hours, or he wanted to win first prize.
- Ⓓ Jason practiced for many hours because he wanted to win first prize.

24. Write a story about your **best** day ever.

As you write your response, use the Writing Skills Checklist below to

- help you plan your writing.
- check your writing when you are finished.

Writing Skills Checklist

- ☐ Have you written complete sentences?
- ☐ Have you written well-developed paragraphs?
- ☐ Have you supported your writing with specific details?
- ☐ Does your writing stay on the topic and maintain a focus?
- ☐ Is your writing organized with a beginning, middle, and an end?
- ☐ Is your writing clear, and does it make sense to a person who reads it?
- ☐ Have you checked for correct capitalization, punctuation, spelling, and grammar?

WRITING

Handwriting practice lines consisting of 20 horizontal lines.



WRITING

Read the story. It has mistakes that need to be corrected. Use the story to answer questions 25 through 29.

1 Today turned out much differently than Megan thought it would. **2** As she followed the principal to her new classroom, she saw many objects in the hallway.

3 There were pictures students had drawn, colorful posters covered with photographs, and art hanging from the ceiling. **4** Students played loudly on the playground.

5 The principal introduced Megan to her new teacher, Miss Evans.

6 Miss Evans introduced Megan to the class, _____ she asked Crystal to be Megan's partner for the day. **7** Crystal agreed to be Megan's partner and to show her around the school.

8 Megan and Crystal quickly became friends? **9** Being a new student at Pioneer Peak Elementary school was not as bad as Megan thought it would be.

25. Which sentence does **not** belong in the story?

- (A) Sentence 1
- (B) Sentence 2
- (C) Sentence 4
- (D) Sentence 5

26. Choose the correct word to fill in the blank in Sentence 6.

- (A) but
- (B) because
- (C) or
- (D) and



27. Which **best** describes Sentence 8?

- Ⓐ It has a capitalization mistake.
- Ⓑ It is not a complete sentence.
- Ⓒ It does not belong in the story.
- Ⓓ It has the wrong end punctuation.

28. Read Sentence 9.

<u>Being a new student at</u>	<u>Pioneer Peak Elementary school</u>
1	2
was not as bad as Megan <u>thought it would be.</u>	
3	4

Which part of the sentence has a capitalization mistake?

- Ⓐ Part 1
- Ⓑ Part 2
- Ⓒ Part 3
- Ⓓ Part 4

29. Read the sentence.

Megan was happy to have someone to talk to during lunch and recess.

Where would this sentence **best** fit in the story?

- Ⓐ after Sentence 2
- Ⓑ after Sentence 3
- Ⓒ after Sentence 5
- Ⓓ after Sentence 7

Read the story. It has mistakes that need to be corrected. Use the story to answer questions 30 through 33.

1 When I was five years old, I really wanted a kitten. **2** My parents thought I was too young to have a pet. **3** They said I would have to wait until I was a little older. **4** When I turned seven, they decided I was old enough.

5 The day I had been waiting for finally arrived. **6** My parents woke me up Friday morning to go to the pet store. **7** I noticed a tiny gray-and-white striped kitten in a cage. **8** I asked the man in charge if I could hold the kitten. **9** He gently took her out of her cage. **10** He placed her in my hands. **11** As I held her, she began to purr. **12** I gave her a hug, placed her in a carrier, and took her to her new home.

30. Which sentence would **best** begin the story?

- (A) The kitten likes to leap on my dad's favorite chair.
- (B) I like to play with kittens.
- (C) My parents took me to a store to buy pet food.
- (D) I have always wanted a pet.

31. Which two sentences does the writer use to explain the problem of the story?

- (A) Sentences 2 and 3
- (B) Sentences 6 and 7
- (C) Sentences 8 and 9
- (D) Sentences 10 and 11

32. Which sentence would **best** follow Sentence 5?

- Ⓐ I could hardly wait to meet my furry new best friend.
- Ⓑ I wanted to look at all of the animal toys in the store.
- Ⓒ My neighbor has two dogs and a cat of her own.
- Ⓓ My parents told me to bring an umbrella in case of rain.

33. Choose the correct way to write Sentences 9 and 10 as one sentence.

- Ⓐ He gently took her out of her cage he placed her in my hands.
- Ⓑ He gently took her out of her cage, and he placed her in my hands.
- Ⓒ He gently took her out of her cage, but he placed her in my hands.
- Ⓓ He gently took her out of her cage because he placed her in my hands.

For questions 34 through 38, fill in the circle for the answer you choose.

34. Read the paragraph.

Matt helps his grandfather every weekend. He helps him clean his garage and feed the animals in the barn. On Wednesday morning he even helps milk the cows. Matt likes helping his grandfather on the farm.

Which sentence could **best** be added to the paragraph?

- (A) Sometimes he gathers chicken eggs.
- (B) Matt has three younger sisters.
- (C) Matt also likes to go to school during the week.
- (D) Someday Matt hopes to buy a bike of his own.

35. Which sentence is punctuated correctly?

- (A) Thomas Edison was curious about, the color of the sky the flight of birds, and the buzzing of bees.
- (B) Thomas Edison was curious about the color of the sky, the flight of birds, and the buzzing of bees.
- (C) Thomas Edison was curious about the color of the sky the flight of birds, and the buzzing of bees.
- (D) Thomas Edison was curious about the color, of the sky, the flight of birds, and the buzzing of bees.

36. Read the sentence.

Grandma, I was so excited when Mom said we were going to spend a few weeks with you this summer.

Which form of writing would **most likely** include this sentence?

- (A) a friendly letter
- (B) a journal entry for class
- (C) an observation by a parent
- (D) a description of a place

37. Read the sentences.

Ryan threw the ball. It went high into the air.

Choose the **best** way to write the sentences as one sentence.

- Ⓐ Ryan threw the ball, went high into the air.
- Ⓑ Ryan threw the ball, and it went high into the air.
- Ⓒ Ryan threw the ball it went high into the air.
- Ⓓ Ryan threw the ball, or it went high into the air.

38. Read the sentence.

An African elephant can talk to other elephants by using different parts of its body.

Which detail **best** supports the sentence?

- Ⓐ African elephants can live to be 70 years old.
- Ⓑ Most African elephants eat grasses and leaves.
- Ⓒ The African elephant uses its trunk to make sounds.
- Ⓓ One African elephant can eat 300 pounds of food a day.

Read the story. It has mistakes that need to be corrected. Use the story to answer questions 39 through 43.

1 One Sunday afternoon Penny was reading in her bedroom when she heard a knock. **2** She put down her book and went to the window. **3** She looked out the window, but no one was there.

4 Just as Penny started to read again, she heard another knock. **5** Who could it be. **6** This time Penny looked out the window in her mother's room, but no one was there either. **7** She was reading a mystery novel.

8 Penny picked up her book for the third time, and she heard the knocking once again. **9** She stared out the window once more to see if she could see anyone. **10** Suddenly she began to laugh. **11** It was right outside her window the entire time. **12** A busy woodpecker in the spruce tree was looking for a meal.

39. Which sentence does the writer use to show the setting of the story?

- (A) Sentence 1
- (B) Sentence 4
- (C) Sentence 8
- (D) Sentence 10

40. Which **best** describes Sentence 5?

- (A) It is not a complete sentence.
- (B) It does not belong in the story.
- (C) It should follow Sentence 6.
- (D) It has the wrong end punctuation.

41. Which sentence does **not** belong in the story?

- Ⓐ Sentence 2
- Ⓑ Sentence 3
- Ⓒ Sentence 6
- Ⓓ Sentence 7

42. Choose the **best** sentence to add after Sentence 4.

- Ⓐ The front door was locked at all times.
- Ⓑ Penny liked to play checkers with her dad.
- Ⓒ The sound was quick and sharp.
- Ⓓ Penny loved to read books about animals.

43. The writer uses Sentences 11 and 12 to develop the _____ of the story.

- Ⓐ setting
- Ⓑ solution
- Ⓒ character
- Ⓓ problem

WRITING

44. Read the sentences.

1. We put birdseed in the feeder.
2. A squirrel came and ate the food.

On the lines below, combine the sentences into **one** complete sentence. Be sure to check your work for mistakes in capitalization and punctuation.



For questions 45 through 47, fill in the circle for the answer you choose.

45. Kris is writing instructions on how to make a salad. Which detail would **best** fit in the instructions?

- (A) I think Italian is the best salad dressing to use.
- (B) Chop all of the vegetables into bite-sized pieces.
- (C) Salads are the first course served in nice restaurants.
- (D) My cousin taught me how to make a fancy salad.

46. Read the paragraph.

1 The basketball flew out of Jason's hands. **2** He knew that this shot could be the game-winning basket. **3** The next thing he knew, his teammates were smiling and pounding him on the back.

Which sentence **best** fits after Sentence 2?

- (A) Jason went home.
- (B) Jason closed his eyes and hoped.
- (C) His coach called a time-out.
- (D) His team was angry.

47. Which is the **most** descriptive sentence?

- (A) Steve sighed with relief when he found his math homework.
- (B) Steve felt really great when he found his school papers.
- (C) Steve found the stuff he had been looking for the next day.
- (D) Steve finally found the missing papers he wanted.

WRITING

Read the passage. It has mistakes that need to be corrected. Use the passage to answer questions 48 through 50.

¹ Do you know which animal is the only cat native to Alaska? ² It is the lynx. ³ Certain features of the lynx help it survive in cold weather.

⁴ Its thick fur keeps it warm. ⁵ Its short tail prevents it from getting frostbite in the winter?

⁶ The Alaskan Forests and woodlands are places where the lynx can be found. ⁷ It can travel and hunt in the snowy climate of Alaska. ⁸ Its large feet act as snowshoes to keep it from sinking in deep snow. ⁹ Like most cats, the lynx is an excellent climber.

48. Which sentence has a punctuation mistake?

- (A) Sentence 1
- (B) Sentence 3
- (C) Sentence 5
- (D) Sentence 7

49. Read Sentence 6.

The Alaskan Forests and woodlands are places where the lynx can be found.

Which underlined word has a mistake in capitalization?

- (A) Alaskan
- (B) Forests
- (C) woodlands
- (D) places



WRITING

50. Which sentence could **best** be placed after Sentence 9?

- Ⓐ The lynx is a large cat that weighs between 30 and 40 pounds.
- Ⓑ It has long tufts of fur on the tip of each ear and big, furry feet.
- Ⓒ The lynx has gray hair, a black-tipped tail, and long legs.
- Ⓓ It often hides in trees when it needs protection from its enemies.

END SESSION



SERIAL#

MATHEMATICS—SAMPLE QUESTIONS

Directions

Read Sample Question A and fill in the circle that goes with the answer you choose. Be sure to fill in the circle completely and make your mark heavy and dark. If you want to change your answer, completely erase the mark you made before making a new mark. Sample B has two parts. Write your answer in the box for the first part and on the lines provided for the second part. Be sure to answer both parts of Sample B.

Sample A

The pattern below is missing a number.

2, 5, 8, 11, ____, 17

What number is missing in the pattern?

- ☐ (A) 12
- ☐ (B) 13
- ☐ (C) 14
- ☐ (D) 15

Sample B

Ann had \$1.00. She bought a bottle of juice for 50¢.

- A. How much change should Ann have received? Show all of your work and write your answer in the box below.

Answer: _____¢

- B. On the lines below, tell which coins Ann could have received for change.



SERIAL#

1. Abby has 3 one-dollar bills, 2 quarters, and 3 dimes. How much money does Abby have?

(A) \$3.23
(B) \$3.35
(C) \$3.65
(D) \$3.80

2. Edward bought bananas at the store. He ate $\frac{3}{9}$ of the bananas on Monday and $\frac{2}{9}$ of the bananas on Tuesday. What fraction of the bananas did Edward eat in all?

(A) $\frac{1}{18}$
(B) $\frac{1}{9}$
(C) $\frac{5}{18}$
(D) $\frac{5}{9}$

3. Keith had 16 folders at the beginning of the school year. He has not used 9 of the folders. Keith wrote the number sentence below to find how many folders he has used.

$$16 - \square = 9$$

How many folders has Keith used?

(A) 7
(B) 9
(C) 13
(D) 25



4. Jerome is making a pattern with numbers

8, 15, 22, 29, 36,

What is the next number in the pattern?

- (A) 37
 - (B) 43
 - (C) 44
 - (D) 65
-

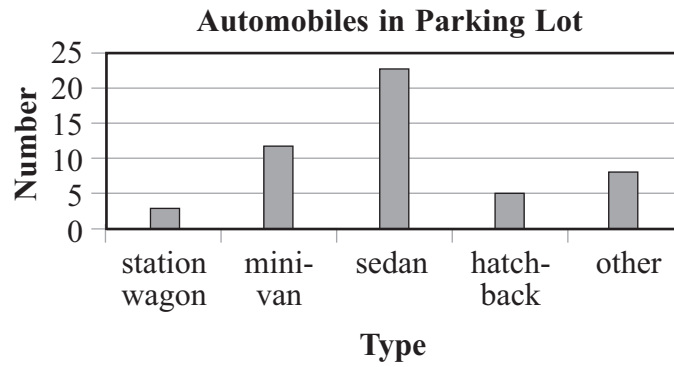
5. There are 5 rooms along a school hallway. Each room has 42 pictures in it. Which estimate is **closest** to the total number of pictures in the rooms?

- (A) 160
 - (B) 200
 - (C) 240
 - (D) 250
-

6. Linda described the faces of a cube. Which could be Linda's description?

- (A) 6 squares
- (B) 3 squares
- (C) 2 squares and 4 rectangles
- (D) 1 square and 2 rectangles

7. Barry made a bar graph of the types of automobiles in a parking lot.



Which table shows the information in the bar graph?

(A)

Automobiles in Parking Lot

Type	Number
station wagon	3
minivan	5
sedan	8
hatchback	12
other	23

(B)

Automobiles in Parking Lot

Type	Number
station wagon	8
minivan	5
sedan	23
hatchback	12
other	3

(C)

Automobiles in Parking Lot

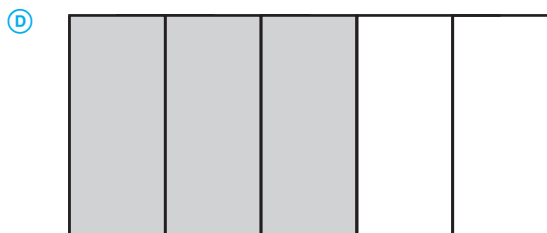
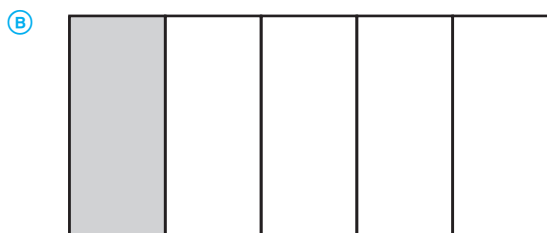
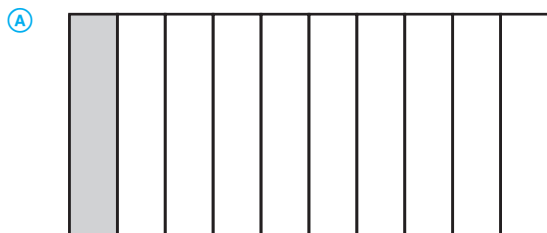
Type	Number
station wagon	3
minivan	12
sedan	23
hatchback	5
other	8

(D)

Automobiles in Parking Lot

Type	Number
station wagon	7
minivan	8
sedan	17
hatchback	5
other	12

8. Jennifer is building a fence. One day she completed $\frac{2}{5}$ of it, and the next day she completed $\frac{1}{5}$ of it. Which picture is shaded to show the fraction of the fence she has completed?



9. George caught 6 fish. He caught 3 fish each hour he fished. The number sentence below can be used to find the number of hours George fished.

$$\square \times 3 = 6$$

How many hours did George fish?

- (A) 2 hours
- (B) 3 hours
- (C) 9 hours
- (D) 18 hours

10. Kelsea has the piece of licorice shown below.



How long is Kelsea's piece of licorice?

- (A) $2\frac{1}{2}$ inches
- (B) 3 inches
- (C) $3\frac{1}{2}$ inches
- (D) 4 inches

11. Lexi has two bags of beads. There are 2,923 beads in one bag and 2,058 beads in the other bag. Which estimate is **closest** to the total number of beads in the two bags?

- (A) 3,000
- (B) 4,000
- (C) 5,000
- (D) 6,000

12. Which number is a multiple of 7?

- (A) 19
- (B) 20
- (C) 21
- (D) 22

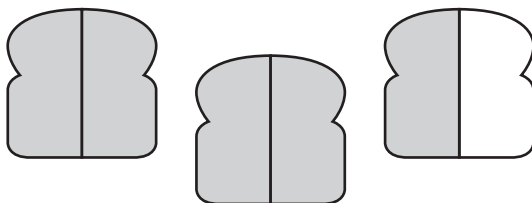
13. The numbers on the houses on Scott's street are shown below.



The houses are numbered using a pattern. Which shows the number on Scott's house?

- (A)
- (B)
- (C)
- (D)

14. Each of the 3 sandwiches below is cut in half. The shaded parts of the sandwiches show the $2\frac{1}{2}$ sandwiches Jeff ate.



Which fraction is the same as the number of sandwiches Jeff ate?

- (A) $\frac{2}{2}$
- (B) $\frac{3}{2}$
- (C) $\frac{4}{2}$
- (D) $\frac{5}{2}$

-
15. A bakery sold 512 cakes and 263 pies in a month. How many more cakes than pies were sold during the month?

- (A) 249 cakes
- (B) 259 cakes
- (C) 349 cakes
- (D) 351 cakes

This problem is worth 2 points.

16. Jeremy has some red and some yellow jelly beans in a bag. Without looking, he will choose 3 jelly beans from the bag at the same time.

How many combinations of 3 jelly beans can Jeremy choose from the bag? In the box below, show all of your work and write your answer.

Answer: _____ **combinations**

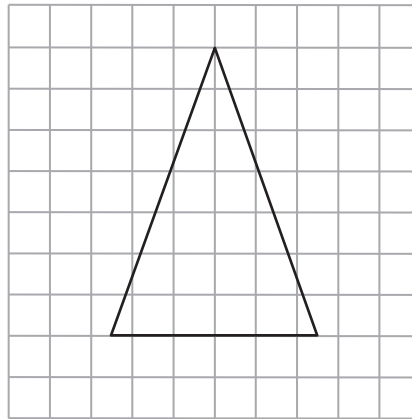
17. Sun Mountain is 9,784 feet tall. Crooked Mountain is 7,302 feet tall. Rounded to the nearest hundred, about how much taller is Sun Mountain than Crooked Mountain?

Ⓐ 2,000 feet
 Ⓑ 2,400 feet
 Ⓒ 2,500 feet
 Ⓓ 3,000 feet

18. Tasha's canoe is 12 feet long. What is the length of Tasha's canoe in yards?

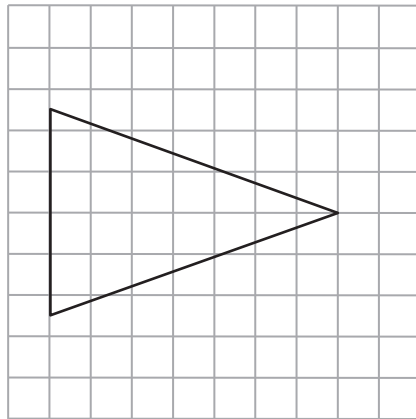
Ⓐ 1 yard
 Ⓑ 4 yards
 Ⓒ 36 yards
 Ⓓ 144 yards

19. Sarah drew a triangle on a grid, as shown below.

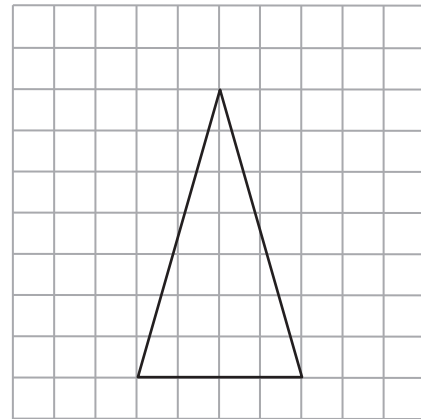


Which triangle is congruent to Sarah's triangle?

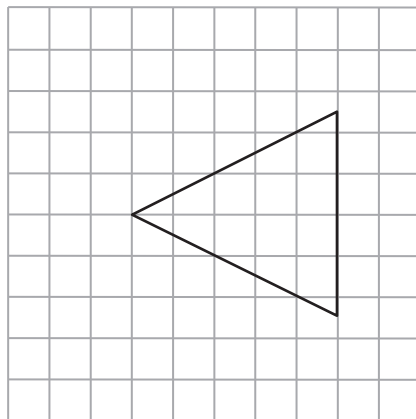
(A)



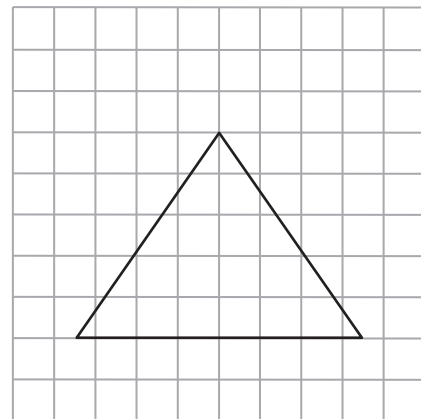
(B)



(C)



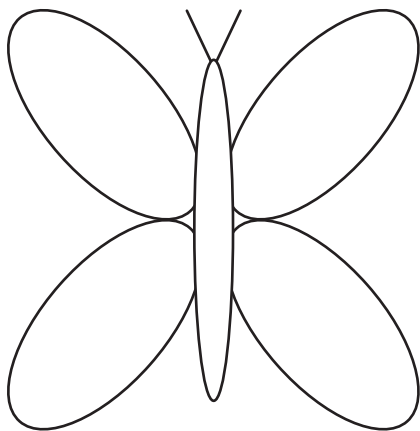
(D)



20. Which term **best** describes the shape of a basketball?

- Ⓐ cone
- Ⓑ cube
- Ⓒ cylinder
- Ⓓ sphere

21. Rachael drew the butterfly below.



How many lines of symmetry does the butterfly have?

- Ⓐ 1
- Ⓑ 2
- Ⓒ 3
- Ⓓ 4

22. Luke practiced hockey for a total of 40 hours this winter. He practiced for 5 hours each week. The number sentence below can be used to find how many weeks Luke practiced hockey.

$$5 \times \square = 40$$

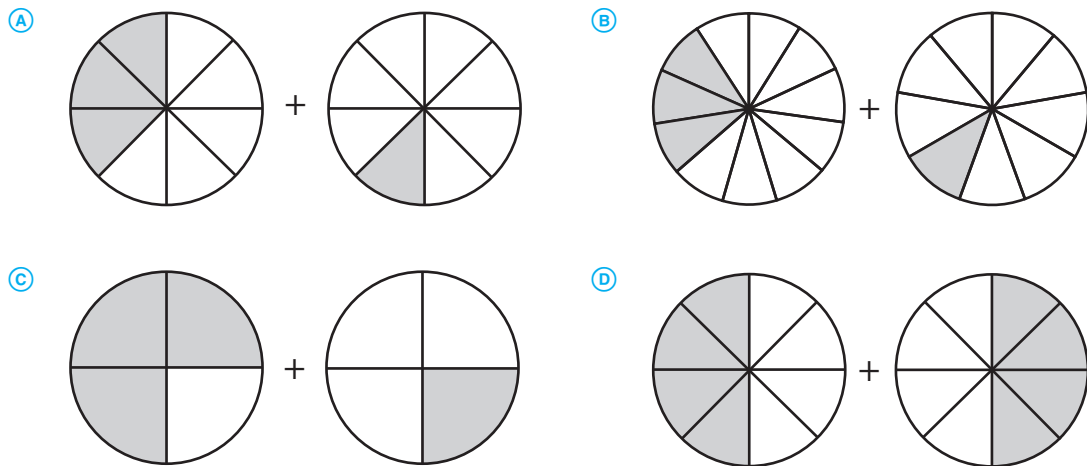
How many weeks did Luke practice hockey this winter?

- (A) 7 weeks
- (B) 8 weeks
- (C) 9 weeks
- (D) 10 weeks

23. Amy needs to add the fractions below.

$$\frac{3}{8} + \frac{1}{8}$$

Which picture represents Amy's addition problem?



24. A scientist collected 517 insects. Of those, 243 insects had wings. How many of the insects did not have wings?

(A) 243 insects
 (B) 274 insects
 (C) 334 insects
 (D) 374 insects

25. The table below shows the distances some classroom pets moved in five minutes.

Class Pet Movements

Pet	Distance
guinea pig	24 inches
hamster	48 inches
snake	36 inches
turtle	4 inches

What classroom pet moved the same distance as 4 feet?

(A) guinea pig
 (B) hamster
 (C) snake
 (D) turtle

26. Tickets for a high school's basketball game cost \$3. Tina bought 5 tickets. She calculated the total cost as 5×3 . Which is another way Tina could calculate the total cost of 5 tickets?

(A) $5 + 3$
 (B) $5 - 3$
 (C) $3 + 3 + 3 + 3 + 3$
 (D) $5 + 5 + 5 + 5 + 5$

27. Joan tossed a coin 20 times. Which table **most likely** shows the results from Joan's coin tosses?

(A) Coin-Toss Results

Heads	Tails
11	9

(B) Coin-Toss Results

Heads	Tails
14	6

(C) Coin-Toss Results

Heads	Tails
6	14

(D) Coin-Toss Results

Heads	Tails
17	3

28. Richard has five coins in his pocket that equal \$0.51. Which set could be Richard's coins?



29. The table below shows the number of e-mails Mrs. Thompson sent each day.

E-mails Sent

Day	Number
Saturday	30
Sunday	26
Monday	22
Tuesday	
Wednesday	

The numbers of e-mails she sent followed a pattern. What numbers complete the table for Tuesday and Wednesday?

(A)

Tuesday	18
Wednesday	14

(B)

Tuesday	14
Wednesday	6

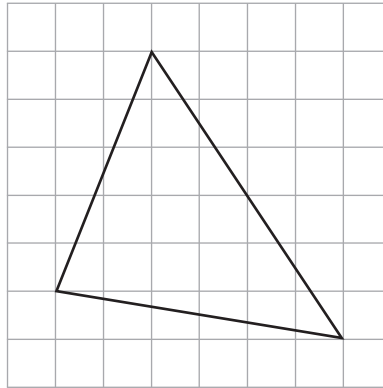
(C)


Tuesday	14
Wednesday	10

(D)

Tuesday	18
Wednesday	10

30. The picture below shows a shape DeeAnn drew on a grid.



 = 1 square foot

What is the approximate area of the shape DeeAnn drew?

- (A) 7 square feet
- (B) 16 square feet
- (C) 25 square feet
- (D) 36 square feet

31. The table below shows the numbers of stickers four friends have.

Stickers

Name	Number
Bryan	209
José	230
Katie	234
Laura	212

Which list shows the numbers of stickers in order from **least** to **greatest**?

- (A) 209, 230, 234, 212
- (B) 209, 212, 234, 230
- (C) 209, 212, 230, 234
- (D) 230, 212, 234, 209

32. Ted has a cupboard with 3 shelves. There are 8 glasses on each shelf. He uses the number sentence below to find the number of glasses in the cupboard.





$$3 \times 8 = 24$$


Which number sentence could Ted use to check his answer?

- (A) $8 \div 3 = 24$
- (B) $3 \div 8 = 24$
- (C) $24 \times 8 = 3$
- (D) $24 \div 8 = 3$

33. The pictograph shows the numbers of puppies sold at four pet stores last month.

Puppies Sold

Store	Number
Monte's Paw	
New Friends	
Olson Pets	
Pete's Pets	

 = 4 puppies

How many puppies did Pete's Pets sell last month?

- (A) 3 puppies
- (B) 5 puppies
- (C) 10 puppies
- (D) 12 puppies

34. The table below shows the number of pounds of salmon Darrell caught each year for 3 years.

Salmon Darrell Caught

Year	Number of Pounds
1	2,573
2	1,493
3	3,152

To the nearest thousand, what was the total number of pounds of salmon Darrell caught during the 3 years?

- (A) 6,000
- (B) 7,000
- (C) 8,000
- (D) 9,000

35. The population of Carrie's hometown is 30,435. Which is the same as the population of her hometown?

- (A) $30 + 435$
- (B) $3 + 0 + 4 + 3 + 5$
- (C) $3,000 + 400 + 30 + 5$
- (D) $30,000 + 400 + 30 + 5$

36. Bobbie counted the shoes in her closet. The number of shoes she has is shown below.

$$2 + 2 + 2 + 2$$

What is another way to count Bobbie's shoes?

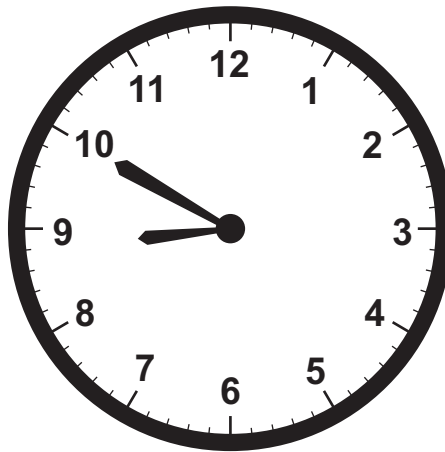
- (A) 2×2
- (B) 4×2
- (C) $2 + 2$
- (D) $4 + 2$



37. A theater sold 157 tickets for one movie and 286 tickets for another movie. What was the total number of tickets sold for both movies?

- (A) 129 tickets
- (B) 333 tickets
- (C) 433 tickets
- (D) 443 tickets

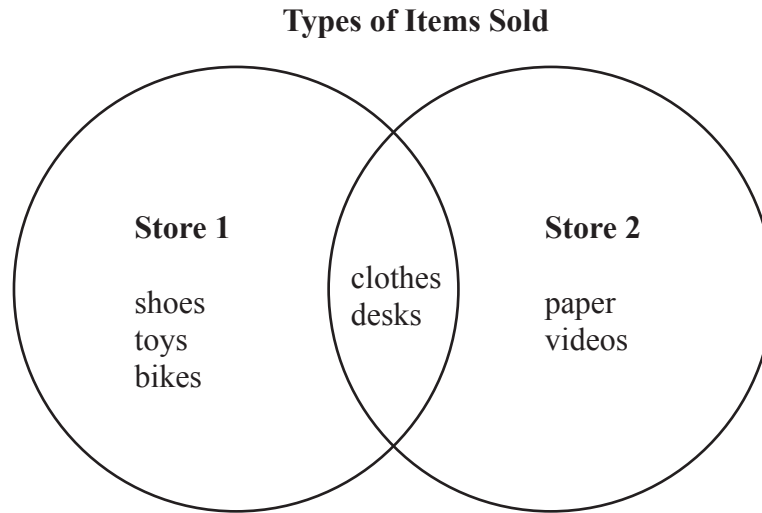
-
38. The clock below shows the time Whitney's first class begins.



At what time does Whitney's first class begin?

- (A) 8:50
- (B) 9:10
- (C) 9:50
- (D) 10:45

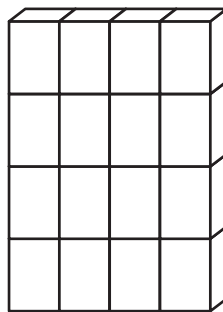
39. The Venn diagram shows the types of items sold at two stores.



How many types of items are sold at Store 1?

- (A) 2
 - (B) 3
 - (C) 4
 - (D) 5
-
40. There are 24 hours in one day. There are 7 days in one week. What is the total number of hours in one week?
- (A) 31 hours
 - (B) 42 hours
 - (C) 148 hours
 - (D) 168 hours

41. The figure below shows a set of blocks.



Which expression could be used to find the number of blocks in the figure?

- (A) 3×4
- (B) 4×4
- (C) 4×5
- (D) 5×5

42. The table below shows the numbers of stamps collected by five friends last week.

Stamps Collected

Name	Number
Aaron	6
Joey	9
Ana	3
Helena	9
Bob	8

What is the mode of the numbers of stamps collected?

- (A) 3
- (B) 6
- (C) 8
- (D) 9

This problem is worth 4 points.

43. A calendar is shown below.

January

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		①	2	3	④	5
⑥	7	8	⑨	10	⑪	12
13	⑭	15	⑮	17	18	⑰
20	21	22	23	24	25	26
27	28	29	30	31		

- A. Gil plays basketball on the dates circled on the calendar above. The dates form a pattern. What are the next 2 dates that Gil will play basketball?

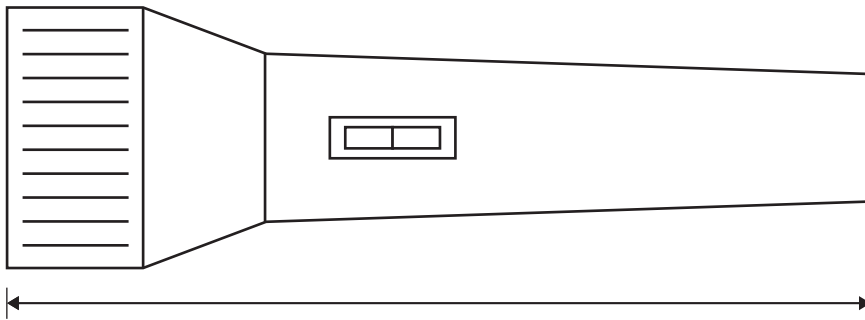
January _____ and _____

- B. On the lines below, use words to describe the pattern.

44. Pablo has 10 postcards. Half of the postcards show a picture of only trees. The other half show a picture of only buildings. Pablo randomly chooses 2 of the postcards. Which list shows all of the possible pictures on the postcards he could choose?

- (A) 2 postcards with trees
2 postcards with buildings
- (B) 2 postcards with trees
1 postcard with a building, 1 postcard with a tree
- (C) 2 postcards with trees
2 postcards with buildings
1 postcard with a building, 1 postcard with a tree
- (D) 2 postcards with buildings
1 postcard with a building, 1 postcard with a tree

45. A flashlight is shown below.



What is the length of the flashlight, to the nearest $\frac{1}{2}$ inch?

- (A) 4 inches
- (B) $4\frac{1}{2}$ inches
- (C) 5 inches
- (D) $5\frac{1}{2}$ inches

46. Martha correctly answered 28 questions on a test. The questions were worth 3 points each. How many points did Martha score on the test?

(A) 30 points
 (B) 48 points
 (C) 64 points
 (D) 84 points

47. Larry made a bookshelf that is 1 meter long. How many centimeters long is the bookshelf?

(A) 10 cm
 (B) 12 cm
 (C) 36 cm
 (D) 100 cm

48. The table below shows the number of cookbooks sold at the Stanton Bookstore on each of five days.

Cookbooks Sold

Day	Number
Monday	3
Tuesday	6
Wednesday	7
Thursday	5
Friday	3

What is the range of the numbers of cookbooks sold during the five days?

(A) 3
 (B) 4
 (C) 5
 (D) 7

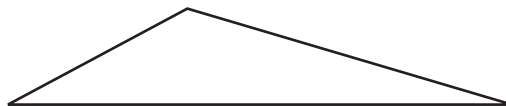
49. Stacy painted her bedroom. She used $\frac{3}{8}$ of a can of paint for one part and $\frac{2}{8}$ of the can for another part. How much of the can of paint did Stacy use?

- (A) $\frac{6}{64}$
- (B) $\frac{1}{8}$
- (C) $\frac{5}{16}$
- (D) $\frac{5}{8}$

50. Don's Bike Shop sold 1,246 bicycles last year. Which digit is in the tens place in the number of bicycles sold?

- (A) 1
- (B) 2
- (C) 4
- (D) 6

51. Kelly drew the triangle below.

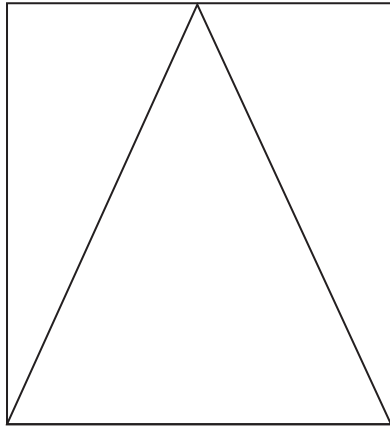


Which description of the triangle is true?

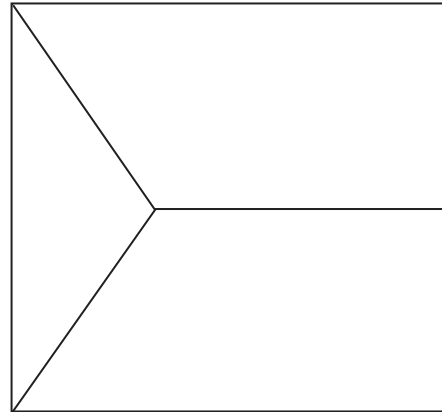
- (A) all angles are less than 90 degrees
- (B) one angle equals 90 degrees
- (C) one angle is greater than 90 degrees
- (D) all angles are equal

52. Daisy cut a square piece of paper into 3 congruent shapes. Which could show Daisy's paper?

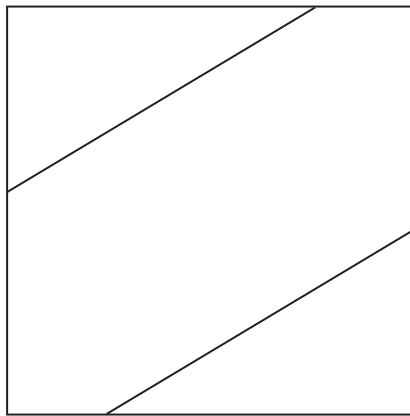
(A)



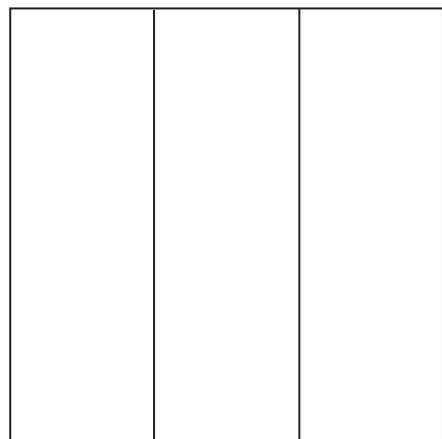
(B)



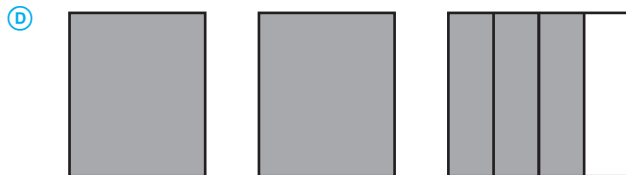
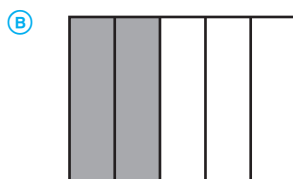
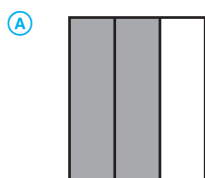
(C)



(D)



53. Owen needs $\frac{2}{3}$ cup of oatmeal to make cookies. Which picture is shaded to show the number of cups of oatmeal Owen needs?



-
54. Walter needs to write the number 2,352 in words. How should Walter write this number?

- (A) two thousand three hundred fifty-two
- (B) twenty-three thousand fifty-two
- (C) two hundred thirty fifty-two
- (D) two and three hundred fifty-two

55. Which of the math signs shown below has the **most** lines of symmetry?

(A)



(B)



(C)



(D)



56. Which number is the same as $5,000 + 800 + 4$?

(A) 584

(B) 5,084

(C) 5,804

(D) 5,840

57. Pat rode her bicycle for three hours. Which unit of measurement would **best** describe the total distance she rode?

(A) centimeters

(B) kilometers

(C) meters

(D) millimeters

58. Margie played in 4 basketball games. She scored 8 points in each game. Margie can use the number sentence below to find the total number of points she scored.

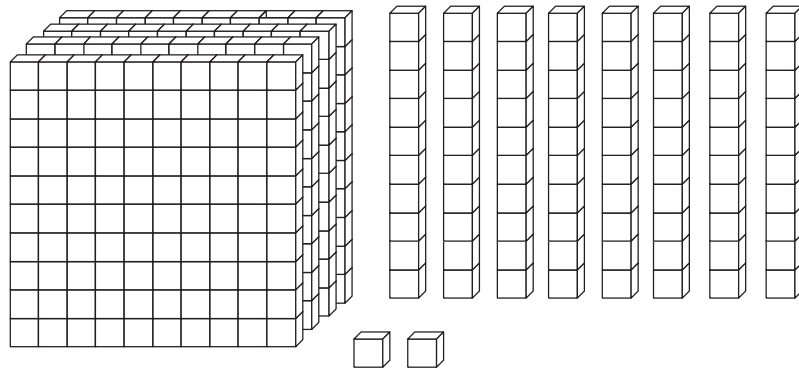
$$\square \div 4 = 8$$

Which number sentence shows another way to find the total number of points scored by Margie?

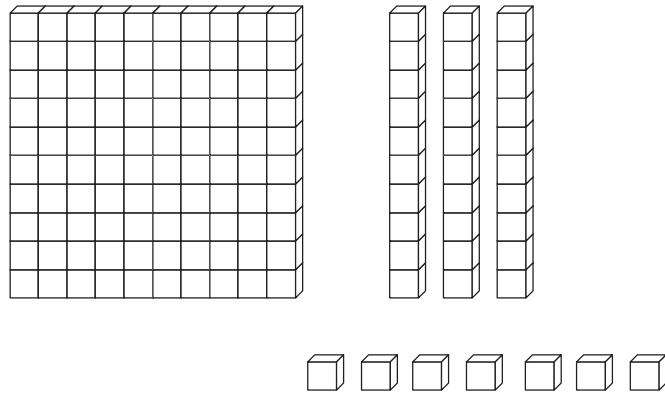
- (A) $\square \times 4 = 8$
- (B) $8 \times \square = 4$
- (C) $8 \times 4 = \square$
- (D) $8 \times \square = \square \times 4$

This problem is worth 2 points.

59. Jill had the blocks shown below.



She gave some blocks away. The number of blocks she has left is shown below.



How many blocks did Jill give away? In the box below, show all of your work and write your answer.

Answer: _____



Grade 4
Writing ★ Mathematics Practice Test Book
Form 4PTWM

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